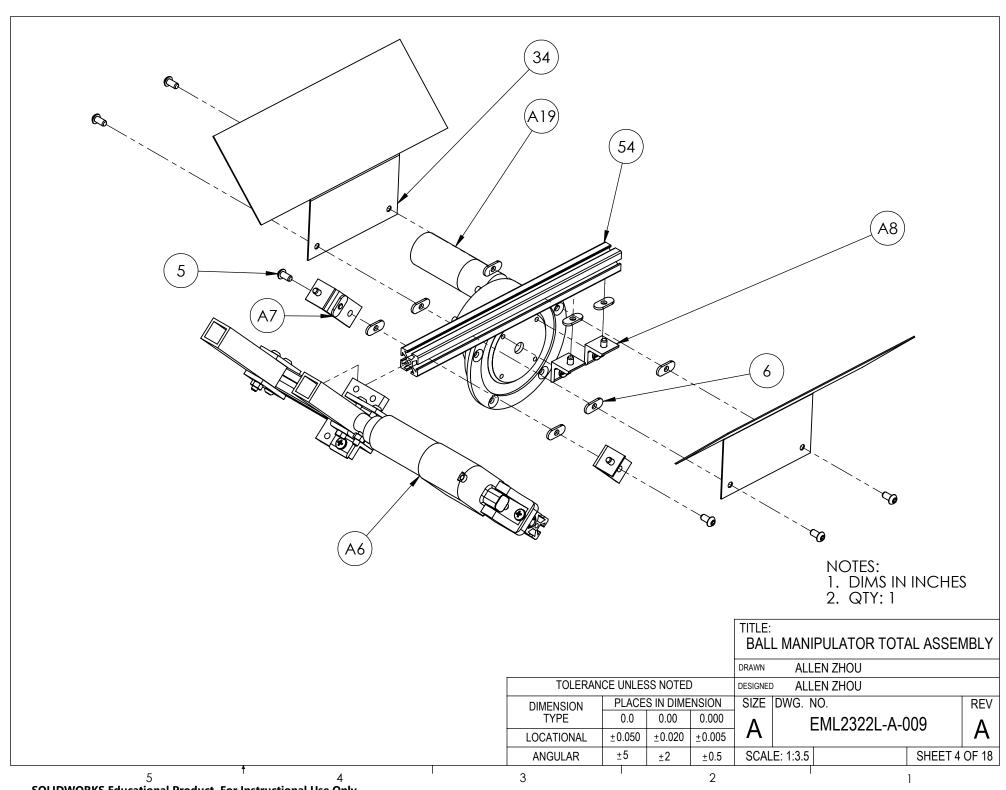
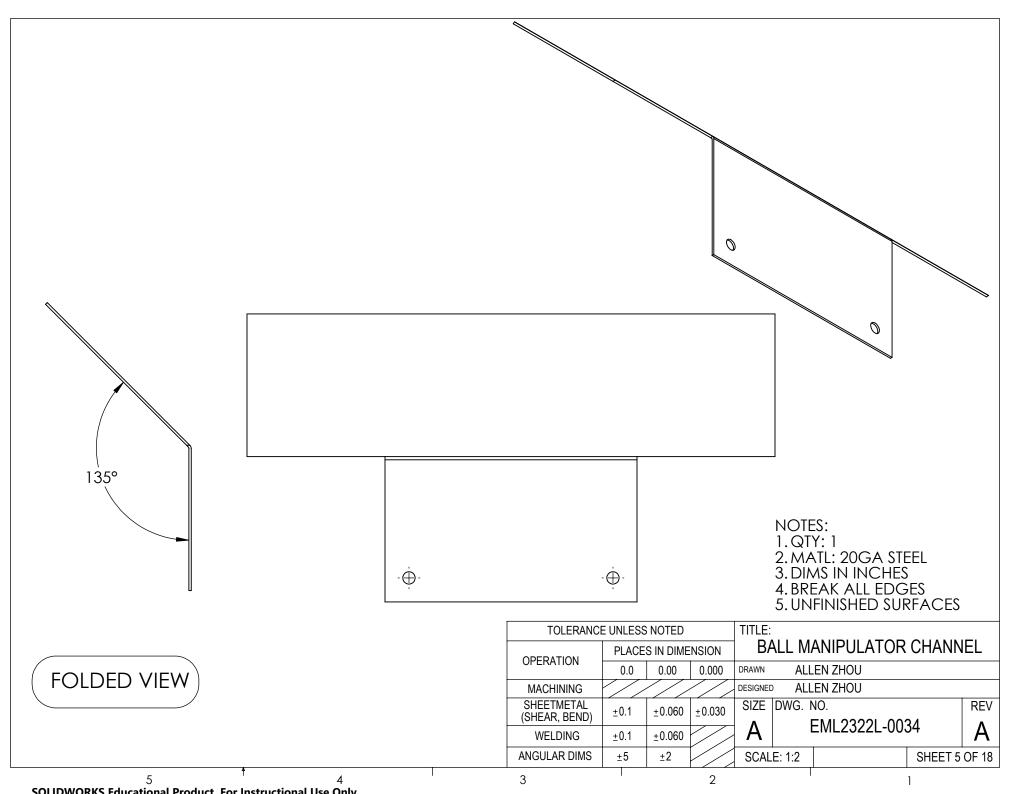


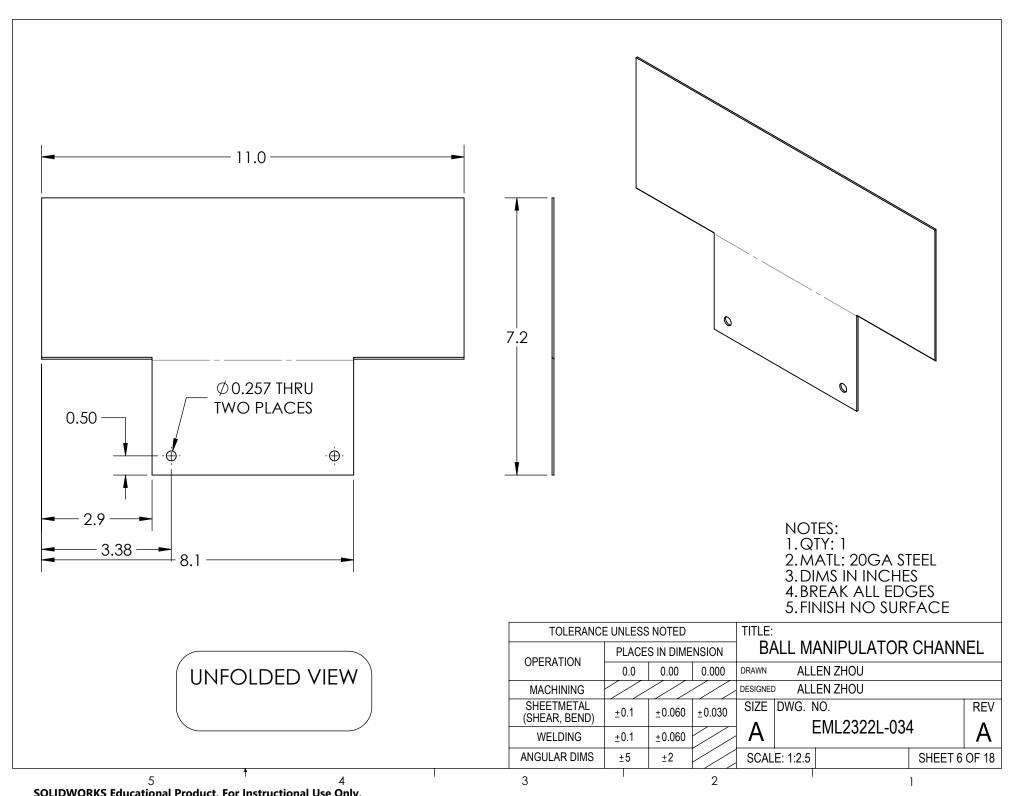
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	EML2322L-0005	1/4-20 x 1/2 in BUTTON HEAD CAP SCREW	6
6	EML2322L-0006	1/4-20 T-NUT	8
34	EML2322L-0034	BALL MANIPULATOR CHANNEL	2
54	EML2322L-0054	80/20 EXTRUSION - 12 in	1
A6	EML2322L-A-006	CLAW ASSEMBLY	1
A7	EML2322L-A-007	CLAW MOUNT	2
A8	EML2322L-A-008	GLOBE MOTOR BRACKET ASSEMBLY	2
A19	EML2322L-A-019	4.5 RPM GLOBE MOTOR	1

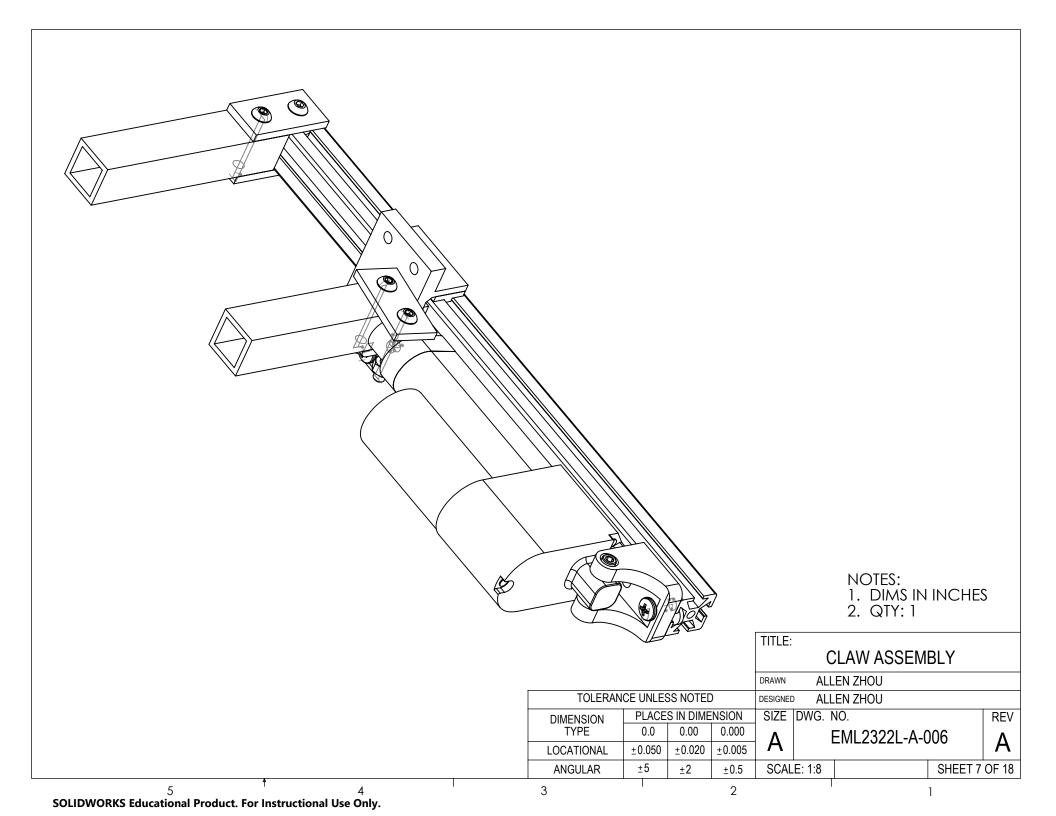
BALL MANIPULATOR TOTAL ASSEMBLY

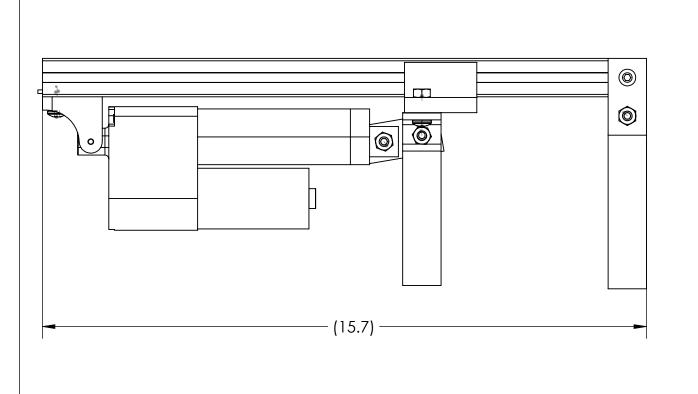
					DRAWN	ALL	.EN ZHOU		
	TOLERANCE UNLESS NOTED					ALL	EN ZHOU		
Ī	DIMENSION	PLACE	S IN DIME	NSION	SIZE	DWG. 1	VO.		REV
	TYPE	0.0	0.00	0.000	Λ.		EML2322L-A-(009	│ ∧ │
Ī	LOCATIONAL	±0.050				000	A		
	ANGULAR	±5	<u>±</u> 2	±0.5	SCAL	E: 1:8		SHEET 3	OF 18

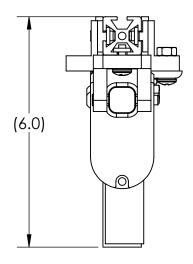












NOTES:
1. QTY: 1
2. DIMS IN INCHES

				11166.	C	CLAW ASSEM	1BLY	
				DRAWN	ALL	.EN ZHOU		
TOLERANCE UNLESS NOTED					ALL	EN ZHOU		
DIMENSION	PLACE	S IN DIME	NSION	SIZE	DWG. 1	NO.		REV
TYPE	0.0	0.00	0.000	Λ.		EML2322L-A-	006	۸
LOCATIONAL	±0.050	±0.020	±0.005	A	A			А
ANGULAR	±5	±2	±0.5	SCAL	E: 1:2.5		SHEET 8	OF 18

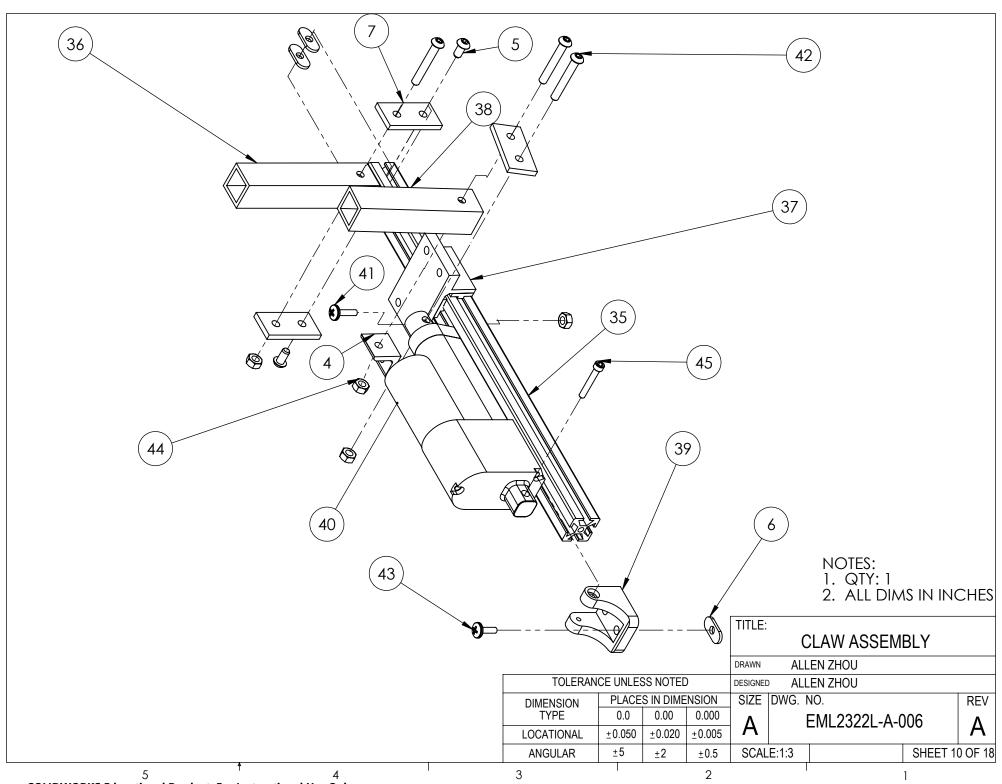
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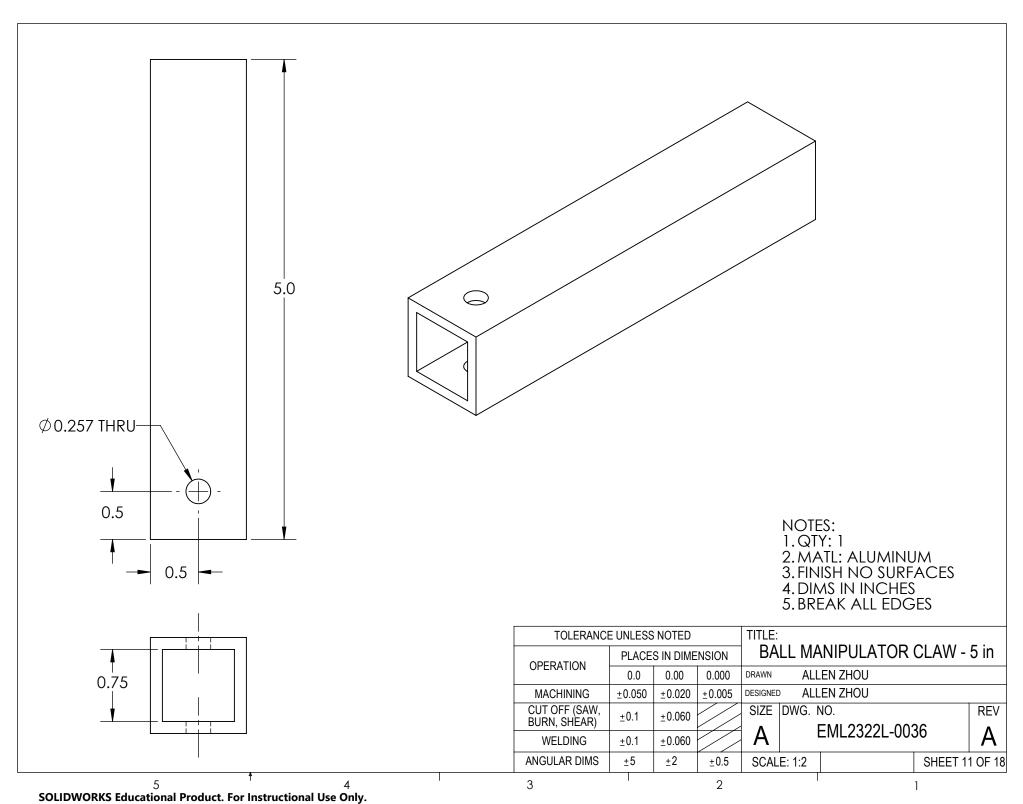
5 The solution of the solution

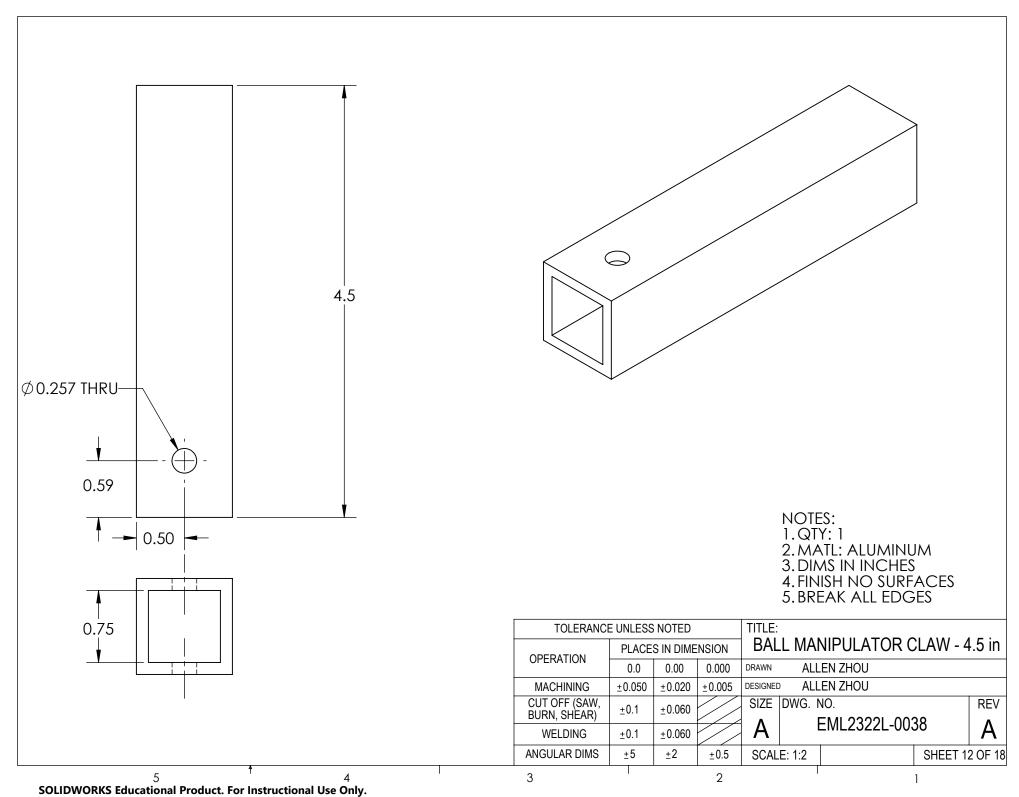
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	EML2322L-0004	80/20 90 DEG ANGLE BRACKET	1
5	EML2322L-0005	1/4-20 x 1/2 in BUTTON HEAD CAP SCREW	2
6	EML2322L-0006	1/4-20 T-NUT	3
7	EML2322L-0007	80/20 STRAIGHT BRACKET	3
35	EML2322L-0035	80/20 EXTRUSION - 15.7 in	1
36	EML2322L-0036	BALL MANIPULATOR CLAW - 5 in	1
37	EML2322L-0037	80/20 LINEAR SLIDE	1
38	EML2322L-0038	BALL MANIPULATOR CLAW - 4.5 in	1
39	EML2322L-0039	10-24 LINEAR ACTUATOR MOUNT	1
40	EML2322L-0040	30 IPM SPAL LINEAR ACTUATOR (2in)	1
41	EML2322L-0041	1/4-20 x 3/4 in PAN HEAD SCREW	1
42	EML2322L-0042	1/4-20 x 1.75 in BUTTON HEAD SCREW	3
43	EML2322L-0043	1/4-20 x 5/8 in PAN HEAD SCREW	1
44	EML2322L-0044	1/4-20 in HEX NUT	5
45	EML2322L-0045	10-24 x 1.25 in SOCKET HEAD - PARTIAL THREAD	1

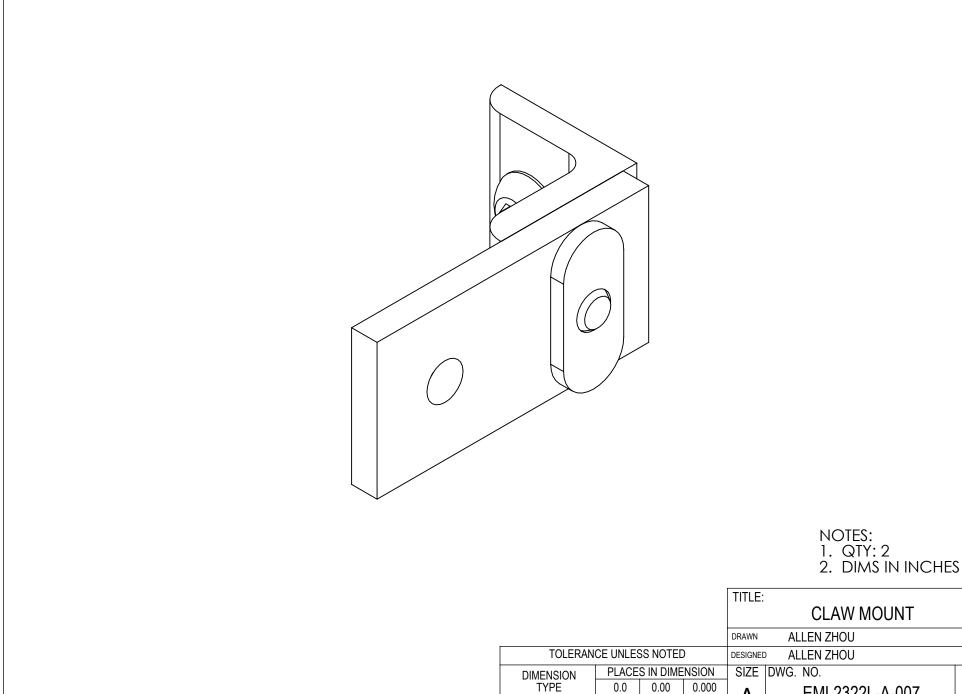
NOTES: 1. QTY: 1 2. ALL DIMS IN INCHES

					C	CLAW ASSEM	BLY	
				DRAWN	ALL	EN ZHOU		
TOLERANCE UNLESS NOTED					ALL	.EN ZHOU		
DIMENSION PLACES IN DIM			NSION	SIZE	DWG. 1	NO.		REV
TYPE	0.0	0.00	0.000	Λ		EML2322L-A-0	006	Λ
LOCATIONAL	±0.050	±0.020	±0.005	A				$\mid A \mid$
ANGULAR	±5	±2	±0.5	SCAL	E: 1:8		SHEET 9	OF 18
3			2				1	









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3

LOCATIONAL

ANGULAR

2

±0.005

SCALE: 1:1

EML2322L-A-007

SHEET 13 OF 18

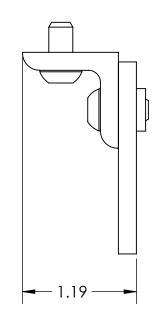
±2 ±0.5

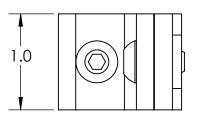
±0.020

±0.050

±5

REV





NOTES: 1. QTY: 2 2. DIMS IN INCHES

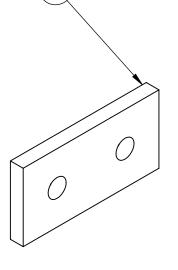
				11122.		CLAW MOUN	NΤ	
				DRAWN	ALL	EN ZHOU		
TOLERANCE UNLESS NOTED				DESIGNED	ALL	EN ZHOU		
DIMENSION	PLACE	S IN DIME	NSION	SIZE	DWG. 1	NO.		REV
TYPE	0.0	0.00	0.000	Λ.		EML2322L-A-0	1 07	Λ
LOCATIONAL	±0.050	±0.020	±0.005	A	•		301	A
ANGULAR	±5	±2	±0.5	SCAL	E: 1:1		SHEET 1	4 OF 18

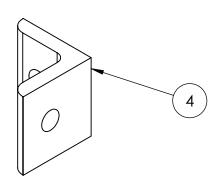
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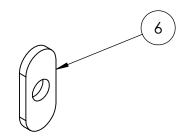
3

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	EML2322L-0004	80/20 90 DEG ANGLE BRACKET	1
5	EML2322L-0005	1/4-20 x 1/2 in BUTTON HEAD CAP SCREW	2
6	EML2322L-0006	1/4-20 T-NUT	1
7	EML2322L-0007	80/20 STRAIGHT BRACKET	1







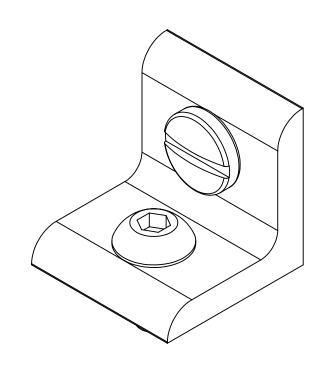


				11122.		CLAW MOUN	١T	
				DRAWN	ALL	EN ZHOU		
TOLERANCE UNLESS NOTED					ALL	EN ZHOU		
DIMENSION	PLACE	PLACES IN DIMENSION			DWG. 1	NO.		REV
TYPE	0.0	0.00	0.000	Λ.		EML2322L-A-0	07	│ ∧ │
LOCATIONAL	±0.050	±0.020	±0.005	A	•		,01	A
ANGULAR	±5	±2	±0.5	SCAL	E: 1:4		SHEET 1	5 OF 18

TITLE:

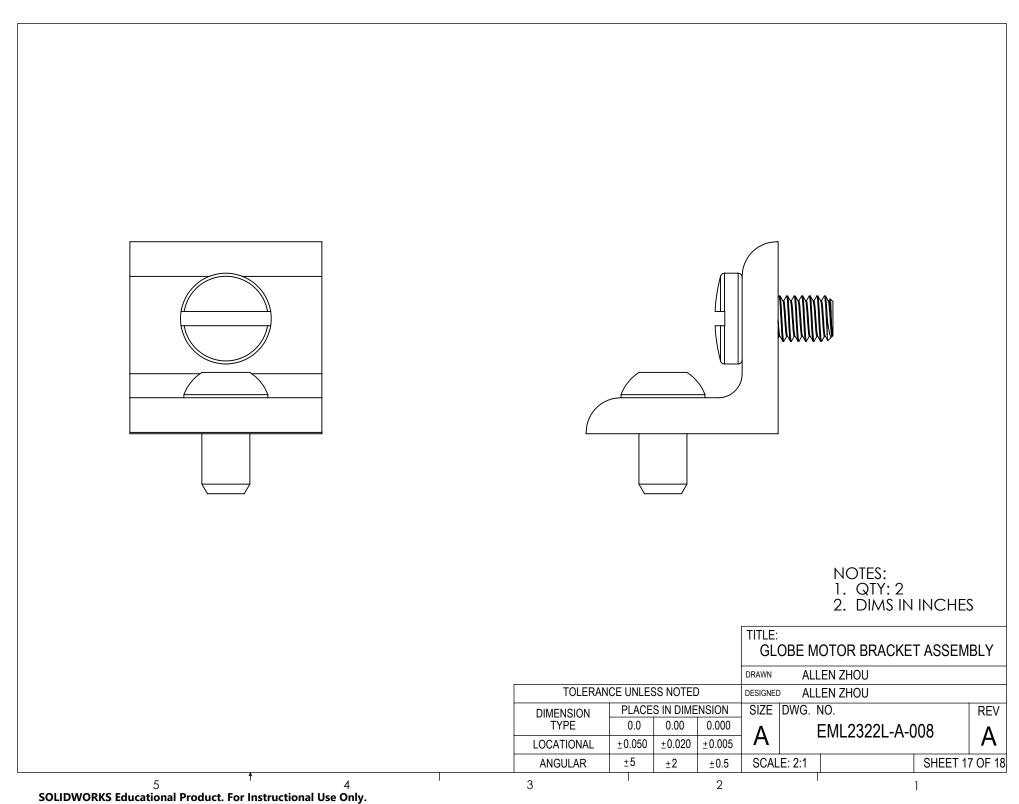
5 \$\frac{1}{5} \quad \frac{1}{5} \quad \frac{4}{5}\$ SOLIDWORKS Educational Product. For Instructional Use Only.

3

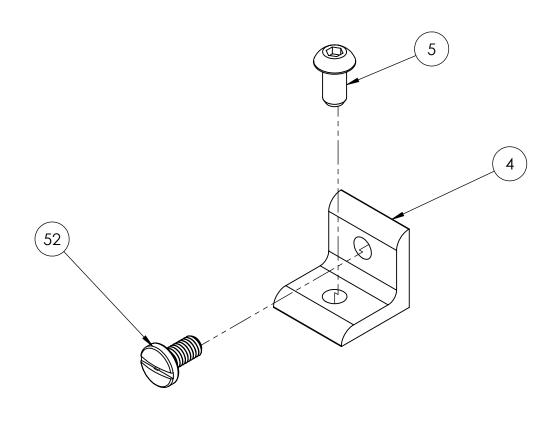


GLOBE MOTOR BRACKET ASSEMBLY

				DRAWN	ALL	.EN ZHOU		
TOLERANCE UNLESS NOTED				DESIGNED	ALL	EN ZHOU		
DIMENSION	PLACE	S IN DIME	NSION	SIZE	DWG. 1	NO.		REV
TYPE	0.0	0.00	0.000	Λ.		EML2322L-A-(008	_ ^
LOCATIONAL	±0.050	±0.020	±0.005	A				A
ANGULAR	±5	±2	±0.5	SCAL	E: 1:2		SHEET 1	6 OF 18



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	EML2322L-0004	80/20 90 DEG ANGLE BRACKET	1
5	EML2322L-0005	1/4-20 x 1/2 in BUTTON HEAD CAP SCREW	1
52	EML2322L-0052	M6 x 1 - 12 mm PAN HEAD SCREW FOR GM	1



GLOBE MOTOR BRACKET ASSEMBLY

				DRAWN	ALL	.EN ZHOU		
TOLERANCE UNLESS NOTED				DESIGNED	ALL	EN ZHOU		
DIMENSION	PLACE	S IN DIME	NSION	SIZE	DWG. 1	NO.		REV
TYPE	0.0	0.00	0.000	Λ.		EML2322L-A-(008	_ ^
LOCATIONAL	±0.050	±0.020	±0.005	A	•			A
ANGULAR	±5	±2	±0.5	SCAL	E: 1:2		SHEET 1	8 OF 18